

## Safety Data Sheet

### AQUATREAT® 859

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. PRODUCT IDENTIFIER

Chemical type : Mixture  
Name : AQUATREAT® 859

##### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

###### 1.2.1. Relevant identified uses

Use of the substance/mixture : cleaner membranes

Title	Sector of use	Product category	Process category	Article category	Environmental release	SPERC
Industrial use of water treatment products	SU0, SU3, SU5, SU22, SU23	PC37	PROC2, PROC4, PROC8a, PROC8b, PROC9		ERC4	ESVOC SPERC 3.22a.v1

Full text of use descriptors: see section 16

###### 1.2.2. Uses advised against

No additional information available

##### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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Industrial Zone - Nieuwland 15  
3200 AARSCHOT - Belgium  
T +32 (0)16 562121 - F +32 (0)16 560166  
[aquatreat@aquatreat.be](mailto:aquatreat@aquatreat.be) - [www.aquatreat.eu](http://www.aquatreat.eu)

##### 1.4. EMERGENCY TELEPHONE NUMBER

No additional information available

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

###### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Met. Corr. 1 H290  
Skin Corr. 1A H314

Full text of H-phrases: see section 16

###### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

C; R35

Full text of R-phrases: see section 16

###### Adverse physicochemical, human health and environmental effects

No additional information available

## Safety Data Sheet

### AQUATREAT® 859

#### 2.2. LABEL ELEMENTS

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

CLP Signal word :

Danger

Hazard statements (CLP) :

H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage

Precautionary statements (CLP) :

P234 - Keep only in original container  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician  
P390 - Absorb spillage to prevent material damage

#### 2.3. OTHER HAZARDS

This substance/mixture does not meet the PBT/VPvB criteria of REACH regulation, annex XIII

Other hazards not contributing to the classification : None.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. SUBSTANCE

Not applicable

#### 3.2. MIXTURE

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27-0000	10 - 15	C; R35
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27-0000	10 - 15	Skin Corr. 1A, H314

Full text of R- and H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

#### 4.1. DESCRIPTION OF FIRST AID MEASURES

First-aid measures after inhalation : Move the person to fresh air.

First-aid measures after skin contact : Wash immediately with lots of water.

## Safety Data Sheet

### AQUATREAT® 859

First-aid measures after eye contact : Wash immediately with lots of water (15 minutes).  
First-aid measures after ingestion : Immediately after ingestion: give lots of water to drink. Seek medical advice immediately.

#### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No additional information available

#### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No additional information available

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. EXTINGUISHING MEDIA

Suitable extinguishing media : Powder. Water . Foam.  
Unsuitable extinguishing media : Not specified.

#### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Reactivity : Heating up due to reaction with acids is possible.

#### 5.3. ADVICE FOR FIREFIGHTERS

Other information : Heating up due to reaction with acids is possible.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures : Protective clothing.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. ENVIRONMENTAL PRECAUTIONS

Plug the leak, cut off the supply. Prevent soil and water pollution.

#### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

#### 6.4. REFERENCE TO OTHER SECTIONS

No additional information available

### SECTION 7: HANDLING AND STORAGE

#### 7.1. PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling : Keep packing tightly closed.

#### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions : Keep container in a well ventilated place.

#### 7.3. SPECIFIC END USE(S)

No additional information available

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

No additional information available

## Safety Data Sheet

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### AQUATREAT® 859

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#### 8.2. EXPOSURE CONTROLS

Hand protection : Gloves.  
Eye protection : Protective goggles.  
Skin and body protection : Wear suitable gloves, resistant to chemicals.

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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##### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid  
Appearance : Clear.  
Colour : Colourless.  
Odour : Odourless.  
Odour threshold : No data available  
pH : > 11  
Melting point : No data available  
Freezing point : -15,5 °C  
Boiling point : > 100 °C  
Flash point : No data available  
Relative evaporation rate (butylacetate=1) : No data available  
Flammability (solid, gas) : No data available  
Explosive limits : No data available  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 1,19 +/- 0,02  
Solubility : Water solubility: 100%.  
Water: Completely soluble  
Log Pow : No data available  
Auto-ignition temperature : No data available  
Decomposition temperature : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : No data available  
Oxidising properties : No data available

##### 9.2. OTHER INFORMATION

No additional information available

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#### SECTION 10: STABILITY AND REACTIVITY

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##### 10.1. REACTIVITY

Heating up due to reaction with acids is possible.

##### 10.2. CHEMICAL STABILITY

No additional information available

##### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No additional information available

## Safety Data Sheet

### AQUATREAT® 859

#### 10.4. CONDITIONS TO AVOID

(strong) acids. heat sources.

#### 10.5. INCOMPATIBLE MATERIALS

No additional information available

#### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No additional information available

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity : Not classified

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ATE CLP (oral)	2131,000 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: > 11

Serious eye damage/irritation : Serious eye damage, category 1, implicit  
pH: > 11

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. TOXICITY

Ecology - water : Mild water pollutant (surface water)  
pH shift  
Highly toxic to aquatic organisms

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LC50 fishes 1	15 mg/l (48h)

#### 12.2. PERSISTENCE AND DEGRADABILITY

No additional information available

#### 12.3. BIOACCUMULATIVE POTENTIAL

No additional information available

#### 12.4. MOBILITY IN SOIL

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Ecology - soil	Soil contaminant.

#### 12.5. RESULTS OF PBT AND VPVB ASSESSMENT

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This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII	

## Safety Data Sheet

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### AQUATREAT® 859

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#### 12.6. OTHER ADVERSE EFFECTS

No additional information available

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#### SECTION 13: DISPOSAL CONSIDERATIONS

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#### 13.1. WASTE TREATMENT METHODS

Ecology - waste materials : Refer to manufacturer/supplier for information on recovery/ recycling. Hazardous waste (91/689/EEG).

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#### SECTION 14: TRANSPORT INFORMATION

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In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN NUMBER

UN-No. (ADR) : 1824

#### 14.2. UN PROPER SHIPPING NAME

Proper Shipping Name (ADR) : sodium hydroxide, solution, 8, II, (E)  
Transport document description (ADR) : UN 1824 sodium hydroxide, solution, 8, II, (E)

#### 14.3. TRANSPORT HAZARD CLASS(ES)

#### 14.4. PACKING GROUP

Packing group (UN) : Not applicable

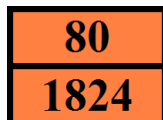
#### 14.5. ENVIRONMENTAL HAZARDS

Other information : No supplementary information available.

#### 14.6. SPECIAL PRECAUTIONS FOR USER

##### 14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80  
Orange plates :



##### 14.6.2. Transport by sea

No additional information available

##### 14.6.3. Air transport

No additional information available

#### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not applicable

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#### SECTION 15: REGULATORY INFORMATION

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#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

##### 15.1.1. EU-Regulations

Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

No additional information available

## Safety Data Sheet

### AQUATREAT® 859

#### 15.2. CHEMICAL SAFETY ASSESSMENT

No additional information available

#### SECTION 16: OTHER INFORMATION

Other information : The contents and format of this material safety data sheet are in accordance with REACH 1907/2006 and CLP-EU 1272/2008.

Full text of R-, H- and EUH-phrases:

Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
R35	Causes severe burns
C	Corrosive
ERC4	Industrial use of processing aids in processes and products, not becoming part of articles
ESVOC SPERC 3.22a.v1	Water treatment chemicals: Industrial (SU10)
PC37	Water treatment chemicals
PROC2	Use in closed, continuous process with occasional controlled exposure
PROC4	Use in batch and other process (synthesis) where opportunity for exposure arises
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing)
SU0	Other
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU23	Electricity, steam, gas water supply and sewage treatment
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU5	Manufacture of textiles, leather, fur

REACH SDS Aquatreat

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*